

Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/730,754
				Filing Date	December 8, 2003
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	2878
				Examiner Name	Not assigned
				Confirmation No.	4467
Sheet	1	of	1	Attorney Docket No.	789_118 CIP

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
K6	CF	3214256	7/27/2001	JP			Complete English Translation	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	Karali Gubaray	Date Considered:	12/08/05
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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*Complete if Known*

Application Number	10/730,754
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Art Unit	2878
Examiner Name	Not assigned
Confirmation No.	4467
Attorney Docket No.	789_118 CIP

Sheet 1 of 1

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Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
KG CG	05-325777	12/10/1993	JP			✓	✓
KG CH	08-111166	04/30/1996	JP			✓	✓

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	Kavali Gharasay	Date Considered:	12/08/05
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				First Named Inventor		
				Yukihisa TAKEUCHI		
				Art Unit		
				2878		
				Examiner Name		
				Not assigned		
				Confirmation No.		
				4467		
Sheet				1	of	1
				Attorney Docket No.		
				789 118 CIP		

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
K6	CE	10/808,258	3/24/2004	Takeuchi et al	789 123		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

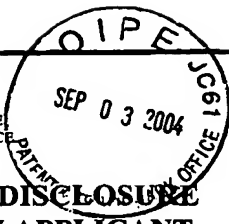
Examiner:	Karabi Guharay	Date Considered:	12/08/05
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US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/678,958
Filing Date	October 3, 2003
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	Not assigned
Examiner Name	Not assigned
Confirmation No.	7284
Attorney Docket No.	789_118

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
KG	CI	6,313,815	11/06/2001	Takeda et al.				
KG	CJ	6,285,123	09/04/2001	Yamada et al.				
KG	CK	5,666,019	09/09/1997	Potter				

U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
KG	CL	10/919,747	08/17/2001	Takeuchi et al.	789_118 CIP2		
KG	CM	10/901,932	07/29/2004	Takeuchi et al.	789_118 CIP5		
KG	CN	10/919,678	08/17/2004	Takeuchi et al.	789_133		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:

Karabi Srinivasan

Date Considered:

12/8/05

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*In accordance with the Notice dated July 11, 2003 on the PTO website, we are not enclosing copies of any of the above U.S. references.

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Art Unit	2878
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Confirmation No.	4467
Attorney Docket No.	789_118 CIP

Sheet

1

of

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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
KG	CO	2002/0060516 A1	05/23/2002	Kawate et al.				
	CP	6,580,108 B1	06/17/2003	Utsumi et al.				
	CQ	6,452,328 B1	09/17/2002	Saito et al.				
	CR	6,469,452 B2	10/22/2002	Seo et al.				
	CS	6,359,383 B1	03/19/2002	Chuang et al.				
	CT	6,274,881 B1	08/14/2001	Akiyama et al.				
	CU	6,184,612 B1	02/06/2001	Negishi et al.				
	CV	6,153,978	11/28/2000	Okamoto				
	CW	6,040,973	03/21/2000	Okamoto et al.				
	CX	5,990,605	11/23/1999	Yoshikawa et al.				
	CY	5,877,594	03/02/1999	Miyano et al.				
	CZ	5,729,094	03/17/1998	Geis et al.				
KG	DA	5,726,524	03/10/1998	Debe				

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:

Karabi Subasing

Date Considered:

12/6/05

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				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	2878
				Examiner Name	Not assigned
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Sheet	1	of	1	Attorney Docket No.	789_118 CIP

U.S. PATENT DOCUMENTS

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U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
RG	DC	10/951,509	09/28/2004	Takeuchi et al.	789_118 CIP3		
RG	DD	10/950,976	09/27/2004	Takeuchi et al.	789_118 CIP6		
RG	DE	10/952,524	09/28/2004	Takeuchi et al.	789_135		
RG	DF	10/951,832	09/28/2004	Takeuchi et al.	789_136		

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	Karabi Ghahray	Date Considered:	12/8/05
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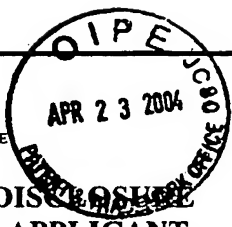
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*In accordance with the Notice signed September 21, 2004 on the PTO website, we are not enclosing copies of any of the above U.S. references or copending applications filed on or after June 30, 2003.

Form PTO-1449

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
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Application Number	10/730,754
Filing Date	December 8, 2003
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	2878
Examiner Name	Not assigned
Confirmation No.	4467
Attorney Docket No.	789 118 CIP

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
KG	BS	5,280,221	01/18/1994	Okamoto et al.				
KG	BT	5,747,926	05/05/1998	Nakamoto et al.				
KG	BU	6,198,225	03/06/2001	Kano et al.				
KG	BV	6,479,924	11/12/2002	Yoo				

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
KG	BW	2675306	10/16/1992	FR				✓
KG	BX	2789221	08/04/2000	FR				✓
KG	BY	2789223	08/04/2000	FR				✓
KG	BZ	10057072	05/23/2001	DE				✓
KG	CA	0 353 632	02/07/1990	EP				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

KG	CB	G. Benedek et al., "Electron Emission From Ferroelectric/Antiferroelectric Cathodes Excited by Short High-Voltage Pulses", Journal Applied Physics, Vol. 81, No. 3, 1 February 1997, pages 1396-1403						
KG	CC	Gundel, H. et al., "Low Pressure Hollow Cathode Switch Triggered by a Pulsed Electron Beam Emitted From Ferroelectrics", Applied Physics Letter, American Institute of Physics, New York, US Vol. 54, No. 21, 22 May 1989, pages 2071-2073						
KG	CD	Gundel, H. et al., "Time-Dependent Electron Emission From Ferroelectrics by External Pulsed Electric Fields", Journal of Applied Physics, American Institute of Physics, New York, US Vol. 69, No. 2, 15 January 1991, pages 975-982						

Examiner:

Karabi Guharoy

Date Considered:

12/8/05

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PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
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Complete if Known

Sheet	1	of	1	Application Number	10/730,754
Filing Date				December 8, 2003	
First Named Inventor				Yukihisa TAKEUCHI	
Art Unit				Not Assigned	
Examiner Name				Not Assigned	
Confirmation No.				Unknown	
Attorney Docket No.				789_118 CIP	

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
KG	BA	5,508,590	04/16/1996	Sampayan et al.				
J	BB	5,453,661	09/26/1995	Auciello et al.				
KG	BC	6,157,145	12/5/2000	Vollkommer et al.				

U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
KG	BD	10/374,955	02/25/2003	Takeuchi et al.	789_105		
	BE	10/459,415	06/11/2003	Takeuchi et al.	789_108 CIP		
	BF	10/459,110	06/11/2003	Takeuchi et al.	789_109 CIP		
	BG	10/459,416	06/11/2003	Takeuchi et al.	789_110 CIP		
	BH	10/459,386	06/11/2003	Takeuchi et al.	789_111 CIP		
	BI	10/647,794	08/25/2003	Takeuchi et al.	789_115		
	BJ	10/673,384	09/26/2003	Takeuchi et al.	789_116		
	BK	10/671,763	09/26/2003	Takeuchi et al.	789_117		
	BL	10/699,186	10/31/03	Takeuchi et al.	789_119		
	BM	10/719,521	11/21/03	Takeuchi et al.	789_120		
	BN	10/719,596	11/21/2003	Takeuchi et al.	789_121		
KG	BO	10/731,901	12/09/03	Takeuchi et al.	789_122		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
KG	BP	3833604	04/05/1990	DE			✓	
KG	BQ	2639151	05/18/1990	FR			✓	
KG	BR	428853	05/29/1991	EP			✓	

Examiner:	Karabi Subarany	Date Considered:	12/8/05
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12/3/04

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				Filing Date	December 8, 2003
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	2879
				Examiner Name	Karabi Guharay
				Confirmation No.	4467
Sheet	1	of	1	Attorney Docket No.	789_118 CIP

duplicate of IDS filed 9/23/04
 U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
	CI	6,313,815	11/06/2001	Takeda et al.				
	CJ	6,285,123	09/04/2001	Yamada et al.				
	CK	5,666,019	09/09/1997	Potter				

U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
	CL	10/919,747	08/17/2004	Takeuchi et al.	789_118 CIP2		
	CM	10/901,932	07/29/2004	Takeuchi et al.	789_118 CIP5		
	CN	10/919,678	08/17/2004	Takeuchi et al.	789_133		

FOREIGN PATENT DOCUMENTS

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9/30/05

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				Application Number	10/730,754
				Filing Date	December 8, 2003
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	2879
				Examiner Name	Anthony J. Canning
Confirmation No.				4467	
Sheet 1 of 1				Attorney Docket No. 789,118 CIP	

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
KG	DG	6,911,768	06/28/2005	Chen et al.				
KG	DH	6,882,100	04/19/2005	Chen et al.				

FOREIGN PATENT DOCUMENTS

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				Filing Date	Concurrently herewith
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	Not assigned
				Examiner Name	Not assigned
				Confirmation No.	
Sheet	1	of	2	Attorney Docket No.	789 118 CIP

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
KG	AA	5,874,802	02-23-1999	Choi et al.		X	X	
KG	AB	2002/0153827	10-24-2002	Takeuchi et al.				

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
KG	AC	1-311533 A	12-15-1989	JP	X	X		✓
	AD	7-147131 A	06-06-1995	JP			JPO Machine Translation	✓
	AE	2000-285801 A	10-13-2000	JP			JPO Machine Translation	✓
	AF	46-20944	06-12-1971	JP			✓	
	AG	44-26125	11-04-1969	JP			✓	
	AH	11-185600	07-09-1999	JP			JPO Machine Translation	✓
	AI	10-27539 A	01-27-1998	JP			JPO Machine Translation	✓
	AJ	11-288249 A	10-19-1999	JP			JPO Machine Translation	✓
	AK	63-150837 A	06-23-1988	JP				✓
	AL	09-090882 A	04-04-1997	JP			JPO Machine Translation	✓
	AM	59-208587	11-26-1984	JP			Partial	
	AN	3160213 B2	02-16-2001	JP			JPO Machine Translation	✓
	AO	0 953 958 A2	11-03-1999	EP				
✓	AP	2000-310970 A	11-07-2000	JP			JPO Machine Translation	✓
KG	AQ	02/052600 A1	07-04-2002	WO				

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				First Named Inventor		Yukihisa TAKEUCHI	
				Art Unit		Not assigned	
				Examiner Name		Not assigned	
				Confirmation No.			
Sheet	2	of	2	Attorney Docket No.	789_118 CIP		

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages etc.)

KG	AR	"Pulsed Electron Source Using a Ferroelectric Cathode," Tokyo Institute of Technology, Vol. 68, No. 5, 7 January 1999, pp. 546-550.
KG	AS	Puchkarev, Victor F. and Mesyats, Gennady A., "On the Mechanism of Emission from the Ferroelectric Ceramic Cathode," Journal of Applied Physics, Vol. 78, No. 9, 1 November 1995, pp. 5633-5637.
KG	AT	Riege, H., "Electron Emission from Ferroelectrics - a Review," Nucl. Instr. and Meth. A340, 1994, pp. 80-89.
KG	AU	Masatoshi Miyake et al., "Electron Emission from Ferroelectric Cathodes Excited by Pulsed Voltage," Tokyo Institute of Technology, Vol. 119, No. 5, 1999 pp. 622-627.

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